

IN THE CLAIMS

Please amend claims 1, 2, 5, 8, 10, 13 and 15 as follows:

1 1. (Currently Amended) A portable computer system which includes a main body,
2 a power supplying unit, and a liquid crystal display (LCD) apparatus having an LCD
3 panel which is operated by electric power supplied by the power supplying unit and a
4 back light which illuminates the LCD panel, said system further comprising:

5 a direct current to alternating current (DC/AC) inverter for supplying AC power to
6 the back light;

7 a contrast sensing part for sensing contrast of a video signal displayed on the LCD
8 panel and outputting a pulse width modulation (PWM) signal;

9 a DC converter for converting the PWM signal from the contrast sensing part into
10 a DC signal;

11 a voltage controller provided between an output of the DC converter and an input
12 of the DC/AC inverter for providing the DC signal from the DC converter as an operating
13 voltage [[of]] to the DC/AC inverter; and

14 a controller connected in series with the DC/AC inverter for sensing the operating
15 voltage of the DC/AC inverter, and for controlling the voltage controller on the basis of
16 the operating voltage of the DC/AC inverter.

1 2. (Currently Amended) The portable computer system according to claim 1,
2 wherein an output of the controller is directly connected to another input of the DC/AC
3 inverter, and the contrast sensing part is connected to the DC/AC inverter via the DC
4 converter and the voltage controller.

1 3. (Original) The portable computer system according to claim 1, further
2 comprising a back light manual selection part operable for suspending a back light
3 automatic control function, and wherein the controller turns off the voltage controller
4 when the back light manual selection part is operated to suspend the back light automatic
5 control function.

1 4. (Original) The portable computer system according to claim 3, wherein the
2 back light manual selection part is included in a keyboard unit provided in the main body.

1 5. (Currently Amended) A method of controlling a portable computer system
2 which includes a main body to which a power supplying unit is connected, and an LCD
3 apparatus having an LCD panel operated by electric power supplied by the power
4 supplying unit, a back light for illuminating the LCD panel, and a contrast sensing part
5 connected to the LCD panel, said method comprising the steps of:

6 sensing an operating voltage of a DC/AC inverter supplying an AC voltage to the
7 back light;

8 obtaining a back light control signal outputted from the contrast sensing part;
9 converting the back light control signal into a DC signal;
10 controlling the DC signal to have an intensity for operating the DC/AC inverter;
11 and
12 supplying the controlled DC signal as a DC operating voltage to the DC/AC
13 inverter.

1 6. (Original) The method according to claim 5, further comprising the steps of:
2 selecting a back light manual control function; and
3 suspending a back light automatic control function so as to allow a user to
4 manually control the back light when the back light manual control function is selected.

1 7. (Original) The method according to claim 6, further comprising the step, prior
2 to the sensing step, of determining whether the contrast sensing part is provided, and
3 suspending the back light automatic control function so as to allow the user to manually
4 control the back light when the contrast sensing part is not provided.

1 8. (Currently Amended) The method according to claim 7, wherein the back light
2 automatic control function is carried out based on sensing, by the contrast sensing part, of
3 a contrast of a video signal[[,]] displayed on the LCD panel.

1 9. (Original) The method according to claim 6, wherein the back light automatic
2 control function is carried out based on sensing, by the contrast sensing part, of a contrast
3 of a video signal displayed on the LCD panel.

1 10. (Currently Amended) The method according to claim 5, further comprising the
2 step, prior to the sensing step, of determining whether the contrast sensing part is
3 provided, and suspending a back light automatic control function so as to allow [[the]] a
4 user to manually control the back light when the contrast sensing part is not provided.

1 11. (Original) The method according to claim 10, wherein the back light
2 automatic control function is carried out based on sensing, by the contrast sensing part, of
3 a contrast of a video signal displayed on the LCD panel.

1 12. (Original) The method according to claim 5, wherein the back light automatic
2 control function is carried out based on sensing, by the contrast sensing part, of a contrast
3 of a video signal displayed on the LCD panel.

1 13. (Currently Amended) A portable computer system having a liquid crystal
2 display (LCD) and a back light illuminating the LCD panel, said system further
3 comprising:

4 direct current to alternating current (DC/AC) inverter means for supplying AC
5 power to the back light;

6 contrast sensing means for sensing a contrast of a video signal displayed on the
7 LCD panel and outputting a pulse width modulation (PWM) signal;

8 DC converter means for converting the PWM signal outputted by the contrast
9 sensing means into a DC signal; and

10 voltage controller means disposed between an output of the DC converter means
11 and an input of the DC/AC inverter means for controlling the DC signal from the DC
12 converter means so that it has an intensity of an operating voltage for the DC/AC inverter
13 means, and for supplying the controlled DC signal to the DC/AC inverter means.

1 14. (Original) The portable computer system according to claim 13, further
2 comprising controller means connected to the DC/AC inverter means for sensing the
3 operating voltage of the DC/AC inverter means, and for controlling the voltage controller
4 means on the basis of the sensed operating voltage.

1 15. (Currently Amended) The portable computer system according to claim 14,
2 wherein an output of the controller means is directly connected to another input of the
3 DC/AC inverter means, and the contrast sensing means is connected to the DC/AC
4 inverter means via the DC converter means and the voltage controller means.

1 16. (Original) The portable computer system according to claim 14, further
2 comprising back light selection means operable by a user for selecting manual control of
3 the back light and for suspending automatic control of the back light.

1 17. (Original) The portable computer system according to claim 16, wherein the
2 back light selection means comprises a keyboard unit of the portable computer system.

1 18. (Original) The portable computer system according to claim 16, wherein the
2 controller means turns off the voltage controller means when the user operates the back
3 light selection means to select the manual control of the back light.

1 19. (Original) The portable computer system according to claim 13, further
2 comprising back light selection means operable by a user for selecting manual control of
3 the back light and for suspending automatic control of the back light.

1 20. (Original) The portable computer system according to claim 19, wherein the
2 back light selection means comprises a keyboard unit of the portable computer system.